

**IN THE SPECIFICATION**

Please amend the paragraphs of the specification as follows:

One page 1, please replace the paragraph beginning on line 10, with the following:

This application claims priority from co-pending Application Serial No. 09/311,793, filed May 13, 1999, now U.S. Patent No. 6,377,607, issued April 23, 2002, entitled "System and Method for Performing Accurate Demodulation of Turbo-Encoded Signals Via Pilot Assisted Coherent Demodulation" and currently assigned to the assignee of the present application.

One page 12, please replace the paragraph beginning on line 30, with the following:

In operation, a signal transmitted over a channel such as the RF signal transmitted by the transmitter 10 of Fig. 1 is received by the antenna 42 of the receiver 40. The received RF signal is converted to an intermediate frequency signal and subsequently converted to a baseband signal via the demodulator 44. The gain of the baseband signal is adjusted via the automatic gain control circuitry 46 and is subsequently converted to a digital signal via the ~~analog-to-digital analog-to-digital~~ converter (ADC) 48. Subsequently, the baseband signals are multiplied by a PN sequence that is related to the PN sequence employed in the PN spreader via the PN sequence generator 52 and the first receiver multiplier 50. In the present specific embodiment the PN sequence and its inverse are the same since with binary operations (in GF2) the inverse of 1 is 1 and the inverse of 0 is 0.